

**10/561090**

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**IAP20 Rec'd PCT/PTO 16 DEC 2005**

PATENT

**PATENT COOPERATION TREATY**

Applicants : Takashi Kikukawa et al.  
Int'l Application No. : PCT/JP2004/009184  
Int'l Filing Date : June 30, 2004  
Title : OPTICAL RECORDING DISC

Docket No. : 890050.535USPC  
Date : December 16, 2005

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT TRANSMITTAL**

Commissioner for Patents:

In accordance with 37 CFR 1.56 and 1.97 through 1.98, applicants wish to make known to the U.S. Patent and Trademark Office the references set forth on the attached Information Disclosure Statement. Copies of all the cited references are enclosed. As to any reference cited, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 CFR 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

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Applicants believe this Information Disclosure Statement has been timely filed, however, the Director is authorized to charge any fee due by way of this Information Disclosure Statement to our Deposit Account No. 19-1090.

Respectfully submitted,

Seed Intellectual Property Law Group PLLC

  
\_\_\_\_\_  
David V. Carlson  
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Enclosures:

Postcard  
Information Disclosure Statement  
Cited References (19)

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724428

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. <b>890050.535USPC</b>			
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			APPLICANTS <b>Takashi Kikukawa et al.</b>			
			FILING DATE <b>June 30, 2004</b>			
<b>U.S. PATENT DOCUMENTS</b>						

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
AB						
AC						

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES      NO
AD	62-16193	01/24/87	JP (+ Abstract in English)	
AE	63-299984	12/07/88	JP (+ Abstract in English)	
AF	4-298389	10/22/92	JP (+ Abstract in English)	
AG	6-243507	09/02/94	JP (+ Abstract in English)	
AH	6-262854	09/20/94	JP (+ Abstract in English)	
AI	2001-322357	11/20/01	JP (+ Abstract in English)	
AJ	2001-344823	12/14/01	JP (+ Abstract in English)	

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

AK	Kikukawa, T., et al., "Rigid Bubble Pit Formation and Huge Signal Enhancement in Super-Resolution Near-Field Structure Disk with Platinum-oxide Layer," <i>Applied Physics Letters</i> 81(25):4697-4699.
AL	Kim, J., et al., "50nm Signal Writing and Retrieve by PtO <sub>x</sub> Type S-RENS Disk in Blue Laser Optical System," <i>Extended Abstracts, 63<sup>rd</sup> Meeting The Japan Society of Applied Physics</i> , Abstract No. 27a-YD-4, p. 1005, September 2002.
AM	Kim, J., et al., "Super-Resolution by Elliptical Bubble Formation with PtO <sub>x</sub> and AgInSbTe Layers," <i>Applied Physics Letters</i> , 83(9):1701-1703, September 1, 2003.
AN	Kim, J., et al., "Signal Characteristics of Super-RENS Disk at Blue Laser System," <i>Technical Digest of International Symposium on Optical Memory</i> , Fr-J-01:264-265, 2003.
AO	Kim, J., et al., "Random Pattern Signal Characteristics of Super-RENS Disk at Blue Laser System," <i>Technical Digest of Optical Data Storage Topical Meeting</i> , pp. 273-275, 2004.

EXAMINER	DATE CONSIDERED
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\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. 890050.535USPC	APPLICATION NO. <b>IU7561090</b>
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			APPLICANTS Takashi Kikukawa et al.	
			FILING DATE June 30, 2004	GROUP ART UNIT

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BA						
BB						
BC						
BD						
BE						
BF						
BG						
BH						

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES      NO
BI	2002-329348	11/15/02	JP (+ Abstract in English)	
BJ	2004-30891	01/29/04	JP (+ Abstract in English)	
BK	2004-020822	01/22/04	JP (+ Abstract in English)	
BL	2004-39177	02/05/04	JP (+ Abstract in English)	
BM	2004-87073	03/18/04	JP (+ Abstract in English)	
BN	2004-111004	04/08/04	JP (+ Abstract in English)	
BO	2004-158134	06/03/04	JP (+ Abstract in English)	

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

BP		
BQ		
BR		

EXAMINER /Elizabeth Mulvaney/	DATE CONSIDERED 08/29/2008
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